

PROJECT DESCRIPTION

GENERAL

THIS PORTION OF THE PROJECT INVOLVES THE INSTALLATION OF NEW TRAFFIC SIGNALS AT THE INTERSECTIONS OF MD 202 (LARGO ROAD) @ I-95/I-495 NORTHBOUND OFF RAMP, MD 214 (CENTRAL AVE.) @ I-95/I-495 NORTHBOUND OFF RAMP, ARENA DRIVE @ I-95/I-495 SOUTHBOUND RAMP, ARENA DRIVE @ I-95/I-495 NORTHBOUND OFF RAMP OFF RAMP AND THE RECONSTRUCTION OF THE EXISTING TRAFFIC SIGNAL AT THE INTERSECTION OF MD 214 (CENTRAL AVE.) @ I-95/I-495 SOUTHBOUND RAMP.

MD 202 (LARGO ROAD) IS ASSUMED TO RUN IN AN EAST-WEST DIRECTION.

MD 214 (CENTRAL AVE.) IS ASSUMED TO RUN IN AN EAST-WEST DIRECTION.

ARENA DRIVE IS ASSUMED TO RUN IN AN EAST-WEST DIRECTION.

INTERSECTION OPERATION

1. MD 202 (LARGO ROAD) @ I-95/I-495 NORTHBOUND OFF RAMP

THE INTERSECTION WILL OPERATE IN A NEMA FOUR-PHASE, FULL TRAFFIC-ACTUATED MODE WITH THE MD 202 (LARGO ROAD) APPROACHES OPERATING CONCURRENTLY AND THE I-95/I-495 NORTHBOUND OFF RAMP OPERATING ALONE.

2. MD 214 (CENTRAL AVE.) @ I-95/I-495 NORTHBOUND OFF RAMP

THE INTERSECTION WILL OPERATE IN A NEMA THREE-PHASE, FULL TRAFFIC-ACTUATED MODE WITH THE MD 214 (CENTRAL AVE.) APPROACHES OPERATING CONCURRENTLY AND THE I-95/I-495 NORTHBOUND OFF RAMP OPERATING ALONE.

3. MD 214 (CENTRAL AVE.) @ I-95/I-495 SOUTHBOUND RAMP

THE INTERSECTION WILL OPERATE IN A NEMA FOUR-PHASE, FULL TRAFFIC-ACTUATED MODE WITH THE MD 214 (CENTRAL AVE.) APPROACHES OPERATING CONCURRENTLY AND THE I-95/I-495 SOUTHBOUND OFF RAMP OPERATING ALONE.

4. ARENA DRIVE @ I-95/I-495 SOUTHBOUND RAMP

THE INTERSECTION WILL OPERATE IN A NEMA THREE-PHASE, FULL-TRAFFIC-ACTUATED MODE WITH THE ARENA DRIVE APPROACHES OPERATING CONCURRENTLY AND THE SOUTHBOUND RAMP OPERATING ALONE.

5. ARENA DRIVE @ I-95/I-495 NORTHBOUND OFF RAMP

THE INTERSECTION WILL OPERATE IN A NEMA FOUR-PHASE, FULL-TRAFFIC-ACTUATED MODE WITH THE ARENA DRIVE APPROACHES OPERATING CONCURRENTLY AND THE NORTHBOUND OFF RAMP OPERATING ALONE.

CONTROLLER REQUIREMENTS

1. MD 202 (LARGO ROAD) @ I-95/I-495 NORTHBOUND OFF RAMP

INSTALL A FULL-TRAFFIC ACTUATED, EIGHT-PHASE CONTROLLER WITH TWO (2) FOUR-CHANNEL, TIME DELAY OUTPUT LOOP DETECTOR AMPLIFIERS, VIDEO INTERFACE EQUIPMENT (1-4 CAMERAS), INTERSECTION MONITOR WITH BATTERY BACKUP FOR PHONE DROP AND ASSOCIATED HARNESSSES HOUSED IN A NEMA SIZE "6" BASE MOUNTED CABINET.

2. MD 214 (CENTRAL AVE.) @ I-95/I-495 NORTHBOUND OFF RAMP

INSTALL A FULL-TRAFFIC ACTUATED, EIGHT-PHASE CONTROLLER WITH TWO (2) FOUR-CHANNEL, TIME DELAY OUTPUT LOOP DETECTOR AMPLIFIERS, VIDEO INTERFACE EQUIPMENT (1-4 CAMERAS), INTERSECTION MONITOR WITH BATTERY BACKUP FOR PHONE DROP AND ASSOCIATED HARNESSSES HOUSED IN NEMA SIZE "6" BASE MOUNTED CABINET.

3. MD 214 (CENTRAL AVE.) @ I-95/I-495 SOUTHBOUND RAMP

THE EXISTING BASE MOUNTED CABINET AND CONTROLLER WILL BE USED. INSTALL VIDEO INTERFACE EQUIPMENT (1-4 CAMERAS) AND ONE (1) FOUR-CHANNEL, TIME-DELAY-OUTPUT, LOOP DETECTOR AMPLIFIER.

4. ARENA DRIVE @ I-95/I-495 SOUTHBOUND RAMP

INSTALL A FULL-TRAFFIC ACTUATED, EIGHT-PHASE CONTROLLER WITH ONE (1) FOUR-CHANNEL, TIME DELAY OUTPUT LOOP DETECTOR AMPLIFIERS, VIDEO INTERFACE EQUIPMENT (1-4 CAMERAS), INTERSECTION MONITOR WITH BATTERY BACKUP FOR PHONE DROP AND ASSOCIATED HARNESSSES HOUSED IN NEMA SIZE "6" BASE MOUNTED CABINET.

5. ARENA DRIVE @ I-95/I-495 NORTHBOUND OFF RAMP

INSTALL A FULL-TRAFFIC ACTUATED, EIGHT-PHASE CONTROLLER WITH ONE (1) FOUR-CHANNEL, TIME DELAY OUTPUT LOOP DETECTOR AMPLIFIERS, VIDEO INTERFACE EQUIPMENT (1-4 CAMERAS), INTERSECTION MONITOR WITH BATTERY BACKUP FOR PHONE DROP AND ASSOCIATED HARNESSSES HOUSED IN A NEMA SIZE "6" BASE MOUNTED CABINET.

PHONE DROP

UPON COMPLETION OF THIS PROJECT, THE CONTRACTOR SHALL NOTIFY MR. ROBERT SNYDER OF SHA AT (410) 787-7635 TO ARRANGE FOR THE PHONE LINE INSTALLATION. THE CONTRACTOR IS TO PROVIDE MR. SNYDER THE NEAREST STREET ADDRESS, ZIP CODE, AND PHONE NUMBER.

MAINTENANCE OF TRAFFIC

THE FOLLOWING TRAFFIC CONTROL STANDARDS SHALL BE REFERENCED FOR THE PROJECT. ADDITIONAL TRAFFIC CONTROL STANDARDS MAY BE USED AS DIRECTED BY THE ENGINEER.

STANDARD NO. MD-104.04-01 (SHOULDER WORK) STANDARD NO. MD-104.04-13 (LEFT TURN BAY CLOSURE)  
STANDARD NO. MD-104.04-03 (LEFT LANE CLOSURE) STANDARD NO. MD-104.04-15 (INTERSECTION LEFT LANE, TURN BAY)  
STANDARD NO. MD-104.04-05 (RIGHT LANE CLOSURE)  
STANDARD NO. MD-104.04-07 (CENTER LANE CLOSURE)

PROJECT CONTACTS

THE CONTACT PERSONS FOR SHA ARE AS FOLLOWS:

MR. BRIAN YOUNG  
PHONE: (301) 513-7318  
ASSISTANT DISTRICT ENGINEER -  
TRAFFIC (PRINCE GEORGE'S)

MR. RALEIGH MEDLEY  
ASSISTANT DISTRICT ENGINEER - MAINTENANCE  
PHONE: (301) 513-7304

MR. AUGIE REBISH  
DISTRICT UTILITY ENGINEER  
PHONE: (301) 513-7350

MR. RICHARD L. DAFF, SR.  
CHIEF, TRAFFIC OPERATIONS DIVISION  
PHONE: (410) 787-7630

EQUIPMENT LIST "A"

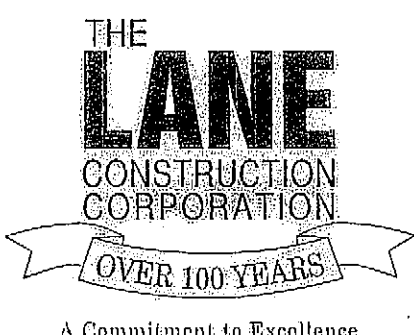

A. EQUIPMENT TO BE SUPPLIED BY THE SHA

ITEM NO.	QUANTITY	DESCRIPTION
9016	8 EACH	FOUR-CHANNEL, TIME-DELAY-OUTPUT, LOOP DETECTOR AMPLIFIER
9044	4 EACH	EIGHT-PHASE, FULL-TRAFFIC-ACTUATED CONTROLLER WITH INTERSECTION MONITOR HOUSED IN A NEMA SIZE "6" BASE MOUNTED CABINET
9086	5 EACH	VIDEO INTERFACE EQUIPMENT: 1-4 CAMERAS
9571	268 S.F.	SHEET ALUMINUM SIGNS TO CONSIST OF : - 5 EACH R3-1 SIGN (30 IN. x 30 IN.) - MAST ARM MOUNT - 5 EACH R3-2 SIGN (30 IN. x 30 IN.) - MAST ARM MOUNT - 7 EACH R3-SL SIGN (30 IN. x 36 IN.) - MAST ARM MOUNT - 2 EACH R3-SR SIGN (30 IN. x 36 IN.) - MAST ARM MOUNT - 1 EACH ASSOCIATED SHIELD ASSEMBLY "WEST, MD, LEFT ARROW" (48 IN. x 75 IN.) - POLE MOUNT - 3 EACH W3-3 SIGN (36 IN. x 36 IN.) WITH "NEW" PANEL (24 IN. x 24 IN.) AND FLAG - GROUND MOUNT - 2 EACH W3-3 SIGN (48 IN. x 48 IN.) WITH "NEW" PANEL (24 IN. x 24 IN.) AND FLAG - GROUND MOUNT - 2 EACH D-3(1) SIGN (VARIABLE x 16 IN.) - MAST ARM MOUNT.

EQUIPMENT LIST "C"

C. EQUIPMENT TO BE REMOVED AND RETURNED TO SHA

ALL REMOVED SIGNAL MATERIALS SHALL BECOME PROPERTY OF THE CONTRACTOR

 <p>THE <b>LANE</b> CONSTRUCTION CORPORATION OVER 100 YEARS A Commitment to Excellence</p>	 <p>STATE OF MARYLAND DEPARTMENT OF TRANSPORTATION STATE HIGHWAY ADMINISTRATION OFFICE OF TRAFFIC &amp; SAFETY TRAFFIC ENGINEERING DESIGN DIVISION I-495 AT ARENA DRIVE FROM MD 202 TO MD 214</p>
<b>GENERAL INFORMATION SHEET</b>	
SCALE NONE DATE AUGUST 23, 2007 CONTRACT NO. PG6365172	
DESIGNED BY S. Bloss COUNTY PRINCE GEORGE'S	
DRAWN BY S. Bloss LOGMILE	
CHECKED BY N. Leary TMS NO. 1023	
FAP NO. AC-IM-95-3(177)N TOD NO.	
TS NO.	DRAWING TSP-12 OF 12 SHEET NO. 13 OF 13

  
Whitman, Reardon and Associates, LLP  
Engineers, Architects and Planners  
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Baltimore, Maryland 21231  
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